ABSTRACT OF THE DISCLOSURE

Cationic cytofectins and liposomes comprising the same are disclosed which are especially useful for delivering exogenous compounds into cells in vitro and in vivo. The liposomes may comprise (a) a neutral lipid such as dioleoylphosphatidyl-ethanolamine (DOPE) or similar lipid-like compounds such as 1,2-dioleoyl-oxiphosphatidylethanolamine or other lipid-like structures and (b) one or more of the cationic cytofectins provided herein. The invention provides transfection kits and methods for delivery of exogenous compounds into cells.